

**Gloves / Composite insulating gloves**
**3 in 1**

 Protection:  
 Electrical  
 Mechanical  
 Arc-flash

**30202 SGM**

Composite insulating gloves provide electrical, mechanical, and arc-flash protection; therefore, it is not necessary to use them in combination with a separate mechanical protective over-glove. The Composite glove range is made using a natural latex base coated with an outer layer of polychloroprene, combining mechanical resistance and comfort with a high level of electrical protection.

**Arc-flash protection:** the glove is manufactured from a material that provides a high level of protection against arc flash.


 IEC 60903 | IEC 61482-1-2  
 ASTM F2675/F2675M:23

Red external finish with beige internal finish.

Code	Ref.	Class	Thickness (mm) max. medium	Working voltage (V) max.	Proof test voltage (V) max.	Size	Length (mm)	Category
531110	SGM-25 T9	00	< 2.4	1.5	500 V AC	7*	360	
531120	SGM-25 T10					8*		
531150	SGM-50 T9	0	< 2.9	1.6	1.000 V AC			
531160	SGM-50 T10				5.000 V AC			
531190	SGM-10 T9	1	< 3.4	1.8	7.500 V AC	9		
531200	SGM-10 T10				10.000 V AC			
531230	SGM-20 T9	2	< 3.9	2.5	17.000 V AC	10	410	RC
531240	SGM-20 T10				20.000 V AC			
531270	SGM-30 T9	3	< 4.2	3.1	26.500 V AC	11		
531280	SGM-30 T10				30.000 V AC			
531310	SGM-40 T10	4	< 4.8	3.8	36.000 V AC	12*		
531320	SGM-40 T11				40.000 V AC			

Meaning of letters in 'Categories': A: Acid / Z: Ozone / H: Oil / C: Very low temperature / R: A+Z+H resistance.

\*For sizes 7, 8 and 12 consult.

**MECHANICAL AND THERMAL REQUIREMENTS**

- Average tensile strength:  $\geq 16$  MPa
- Average elongation at break:  $\geq 600\%$
- Tension set:  $\leq 15\%$
- Complementary tests and performance levels to be achieved:**
  - Cutting resistance: >20 mm and 5 N, according to ISO 13997. (equivalent to level 2 according to EN 388)
  - Abrasion resistance:  $\geq 0.05$  mg/t
  - Tear resistance: >25 N (equivalent to level 2 according to EN 388)
  - Puncture resistance: >60 N (equivalent to level 2 according to EN 388)
  - Resistance to very low temperatures:  
Gloves conditioned for 24 hours at  $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$
  - Flame-retardant test:  
Application of a flame for 10 seconds to the fingertip.

Available in sizes:


 Recommended  
size

9 10 11

Circumference in cm

21 24 26

 Measured with  
the hand closed.